

ANNEX TO IPER

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New claims

1. Total power controller for at least two pumps (2, 42), which are each connected to a working conduit (5, 45),

5 and the conveyed volume of which can be adjusted separately by an adjusting device (6, 46), wherein an adjusting pressure which acts on the adjusting device can be adjusted by a total power control valve (18, 58),

10 each total power control valve (18, 58) has a measuring surface (24, 64) on a valve piston (85),

a working pressure of one pump (42, 2) is applied directly to the measuring surface (24, 64) of the

15 total power control valve (18, 58) of the other pump (2, 42), and

the valve piston (85) of the total power control valve (18, 58) of a pump (2, 42) can be acted on by a force which is proportional to the power of this 20 pump (2, 42), in the same direction as the hydraulic force which acts on the measuring surface.

2. Total power controller according to Claim 1, characterized in that

25 the total power control valves (18, 58) are in the form of valve cartridges (81).

3. Total power controller according to Claim 1 or 2, characterized in that

30 a ring surface (101) which forms the measuring surface (24, 64) is formed on the valve piston (85).

4. Total power controller according to Claim 3,
characterized in that
the ring surface (101) is in such a form that it is
arranged in the valve cartridge (81) in the axial
direction between two spaces (89) which are connected
to a tank volume (27).
5. Total power controller according to one of Claims 1 to
4,
characterized in that
the hydraulic force which acts on the measuring
surface (24, 64) and the force which is proportional
to the power act on the valve piston (85) against a
spring (87, 88) which is supported on an end face.
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6. Total power controller according to one of Claims 1 to
5,
characterized in that
the measuring surface (24, 64) of the total power
control valve (18, 58) of one pump (2, 42) is
connected via a connecting conduit (36, 37) to a
working conduit (45, 5) of the other pump (42, 2), to
feed the working power of the other pump (42, 2).